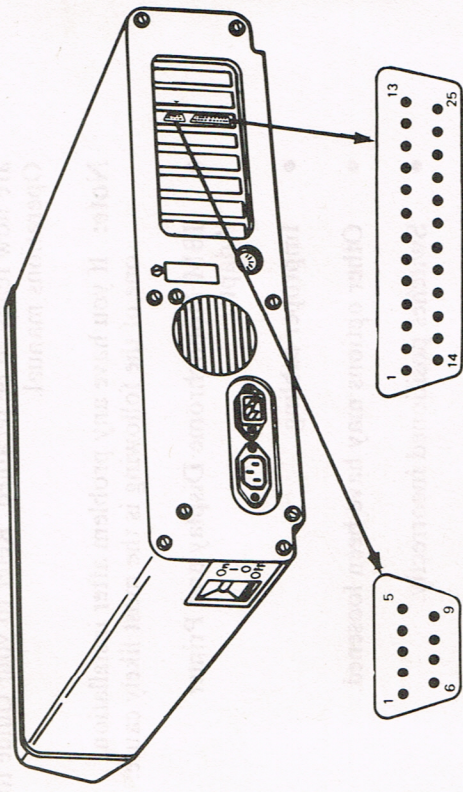
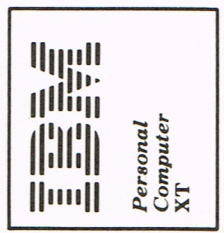


IBM Monochrome Display and Printer Adapter



9-Pin

25-Pin

Signal Name - Description		Pin
IBM Monochrome Display	Ground	1
	Ground - Shielded	2
	Not used	3
	Not used	4
	Not used	5
	Intensity	6
	Video	7
	Horizontal	8
	Vertical	9
		IBM Monochrome Display and Printer Adapter

Signal Name - Description		Pin
IBM Printers	- Strobe	1
	+ Data Bit 0	2
	+ Data Bit 1	3
	+ Data Bit 2	4
	+ Data Bit 3	5
	+ Data Bit 4	6
	+ Data Bit 5	7
	+ Data Bit 6	8
	+ Data Bit 7	9
	Acknowledge	10
	+ Busy	11
	+ Page End	12
	+ Select	13
	- Auto Feed	14
	Error	15
	- Initiate	16
	- Selection	17
	Ground	18
	Ground	19
	Ground	20
	Ground	21
	Ground	22
	Ground	23
	Ground	24
	Ground	25
		IBM Monochrome Display and Printer Adapter

The warranty terms and conditions applicable in the country of purchase in respect of an IBM Personal Computer product are available from the supplier. Please retain them with your proof of purchase.

Any US Option Instructions without the above warranty notice are inapplicable and should be ignored.

No statements contained in this documentation shall affect the statutory rights of consumers.

This option consists of:

- IBM Monochrome Display and Printer Adapter
- Card Support Bracket

If any items are missing or damaged, notify your place of purchase.



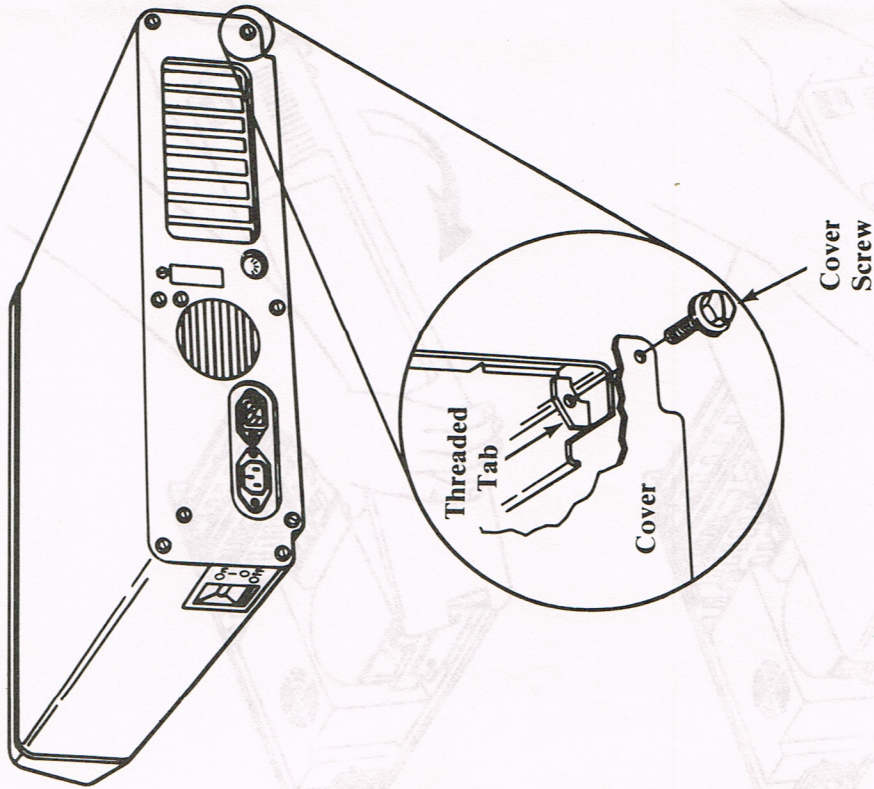
**18.** Your system unit and expansion unit (if attached) are now ready to be recabled. Refer to your Guide to Operations manual.

**Note:** If you have any problem after installation, one of the following is the most likely cause:

- IBM Monochrome Display and Printer Adapter.
- Improper cabling.
- Other options may have been loosened.
- Switches positioned incorrectly.



**17.** When the cover is all the way to the rear, align the screw with the threaded tabs and tighten. Use a flat-blade screwdriver or 1/4-inch nutdriver and turn clockwise.

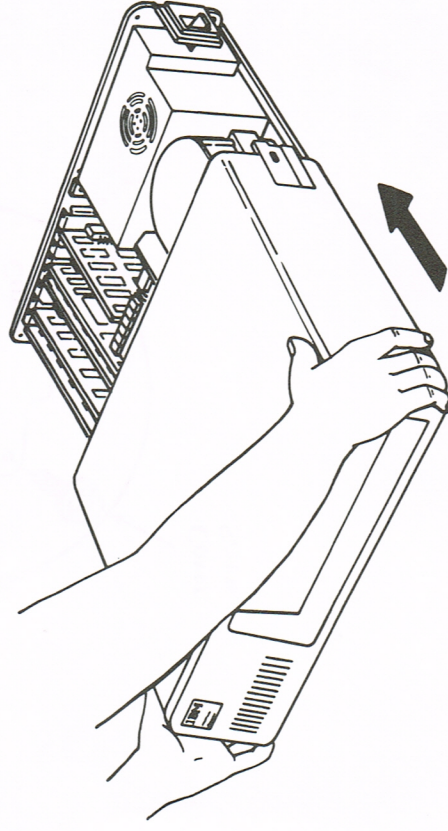
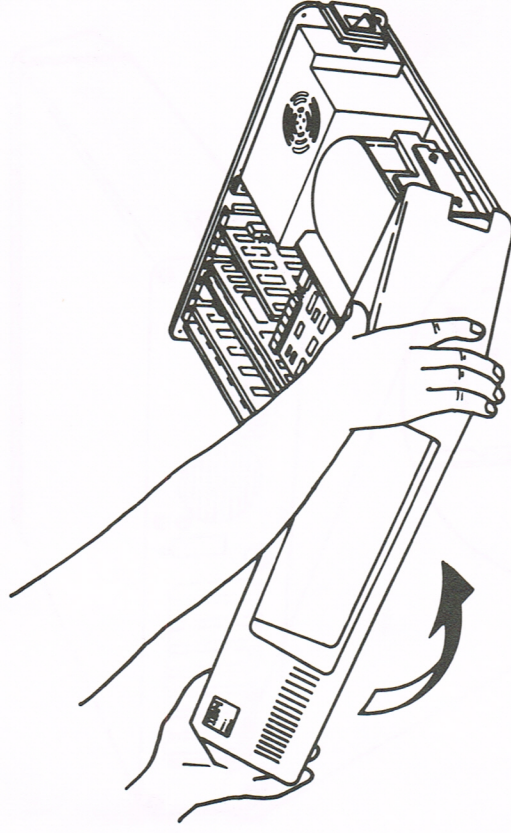


## Contents

Installation Requirements .....	3
Tool Required .....	3
Installation Instructions .....	5
System Board Switch Settings .....	13
Connector Information .....	17



- 16.** If you have any other options to install in this unit, do so now before putting the cover back on. Put the unit's cover on by positioning it as shown and carefully sliding it toward the rear of the unit.

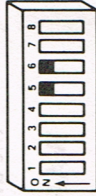




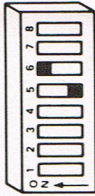
The following figure shows the settings for switches 5 and 6 for the type of display used.

**WARNING:** If an IBM Monochrome Display is connected to your system, switches 5 and 6 must always be Off. Damage to your display can result with any other switch settings.

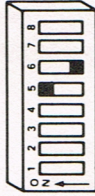
**No Display**



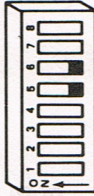
**IBM Color Display or other color display in the 40x25 Color mode**



**IBM Color Display or other color display in the 80x25 Color mode**



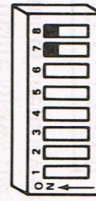
**IBM Monochrome Display or more than one display**



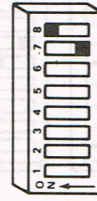
**Note:** The 80x25 color setting, when used with your television and other displays, can cause loss of character quality.

**Display Type Switch Settings**

The following figure shows the settings for switches 7 and 8 for one and two diskette drives.



**1 Drive**



**2 Drives**

**5-1/4-Inch Diskette Drive Switch Settings**

# Installation Requirements

The IBM Monochrome Display and Printer Adapter must be installed in the system unit.

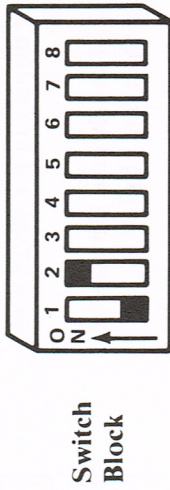
## Tool Required

- Medium-size, flat-blade screwdriver
- Optional:
  - Medium screwstarter
  - 3/16-inch nutdriver
  - 1/4-inch nutdriver



The switches on the system board are set as shown in the following figure. These settings are necessary for the system to address the attached components, and to specify the amount of memory installed on the system board.

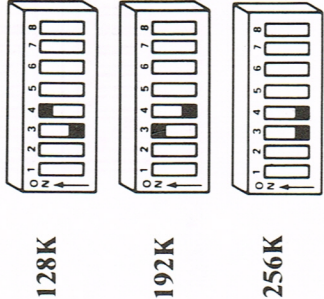
**WARNING:** Before you change any switch settings, make a note of how the switches are presently set. After the option has been installed verify that only the switches described in the option instructions have been changed.



Switch Function

- 1 Normal operation must be Off.
- 2 Unused: Must be On.
- 3-4 Amount of memory on the system board.
- 5-6 Type of display you are using.
- 7-8 Number of 5-1/4-inch diskette drives installed.

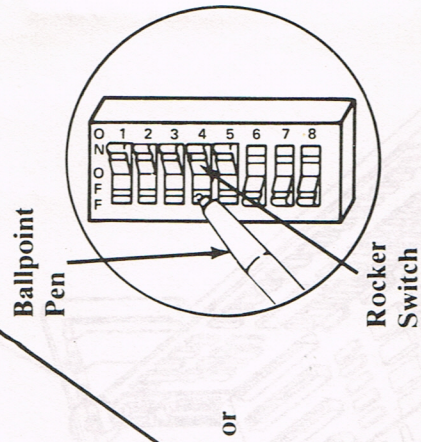
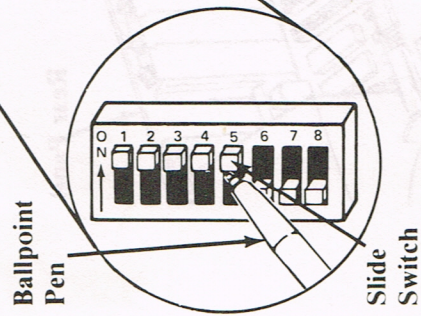
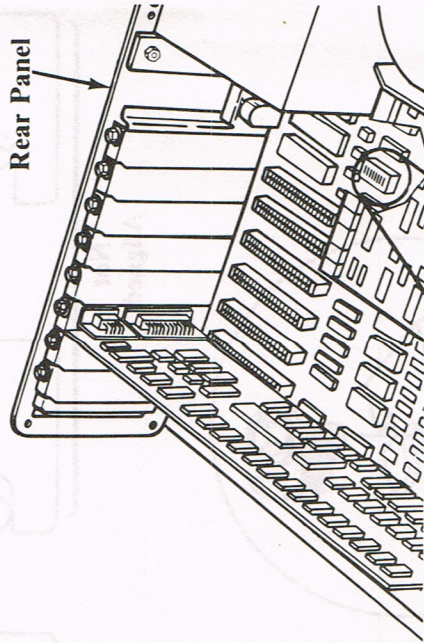
The following figure shows the settings for switches 3 and 4 for the amount of memory on the system board.



System Board Memory Switch Settings



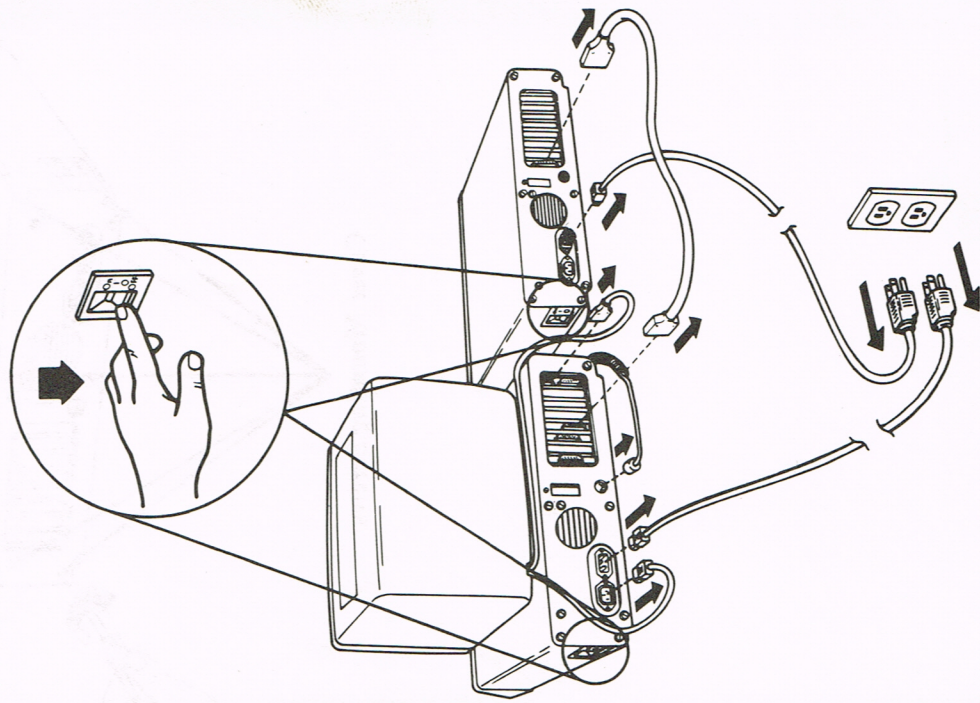
**15.** The switches on the system board are set to reflect the addition of memory and other options installed. Take a minute to familiarize yourself with the location of the switches. The use of a ballpoint pen will help you set the switches easily. Use the charts on the following pages and set switches 5 and 6 at this time.



**Note:** Set a rocker switch by pressing down the rocker to the desired position.

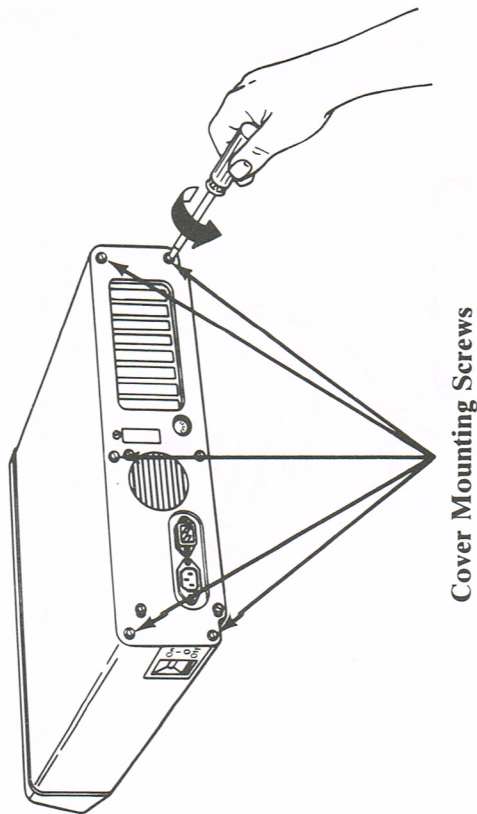
## Installation Instructions

1. Set the Power switch on the system unit (and expansion unit, if attached) to Off.
2. Set all external power switches Off (printer, TV, etc.).
3. Unplug the system unit's (and expansion unit's) power cord from the wall outlet.
4. Disconnect all cables from the rear of the unit in which the option is to be installed.



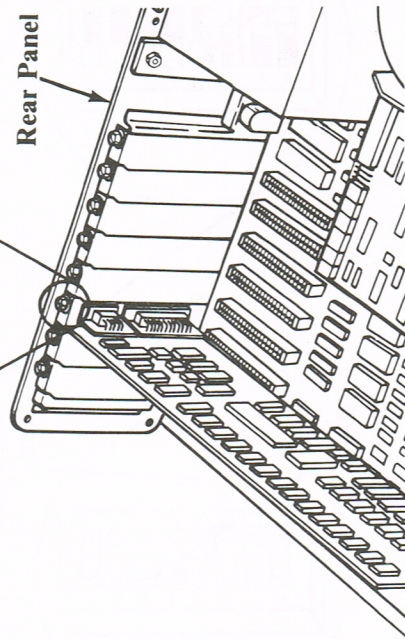
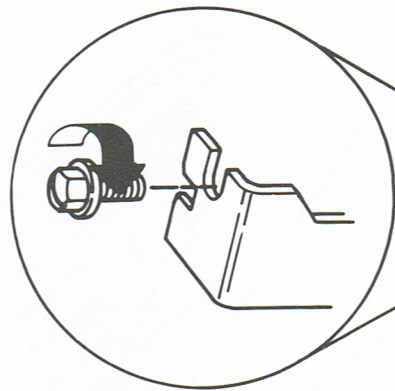
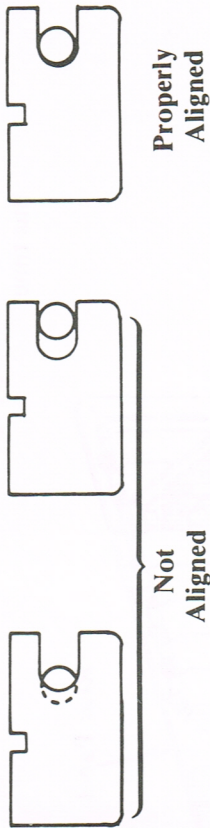


5. Move your keyboard and all external options away from the work area.
6. Position the unit to allow access to the rear.
7. Use a flat-blade screwdriver or 1/4-inch nutdriver and remove the five cover mounting screws by turning them counterclockwise as shown in the figure below. Save the screws for the installation of the cover.



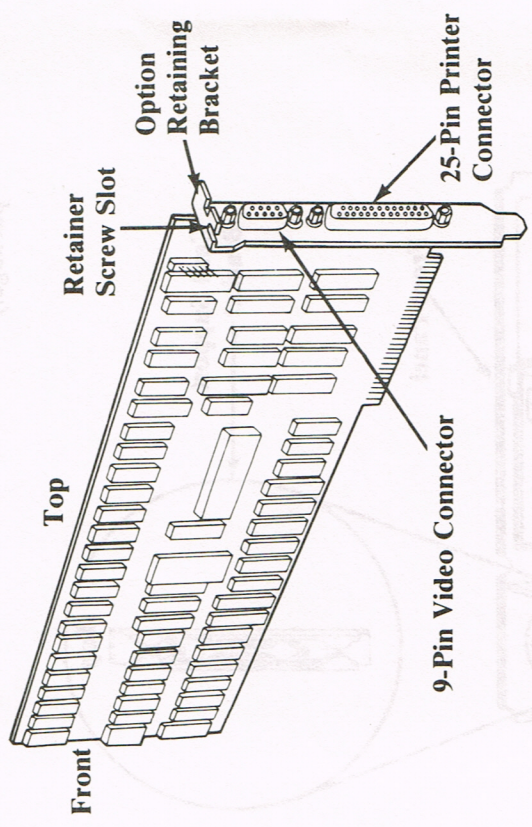
**Cover Mounting Screws**

14. Align the hole in the option retaining bracket with the hole in the rear panel of the system unit. Start the screw clockwise then tighten with a flat-blade screwdriver or 3/16-inch nutdriver.

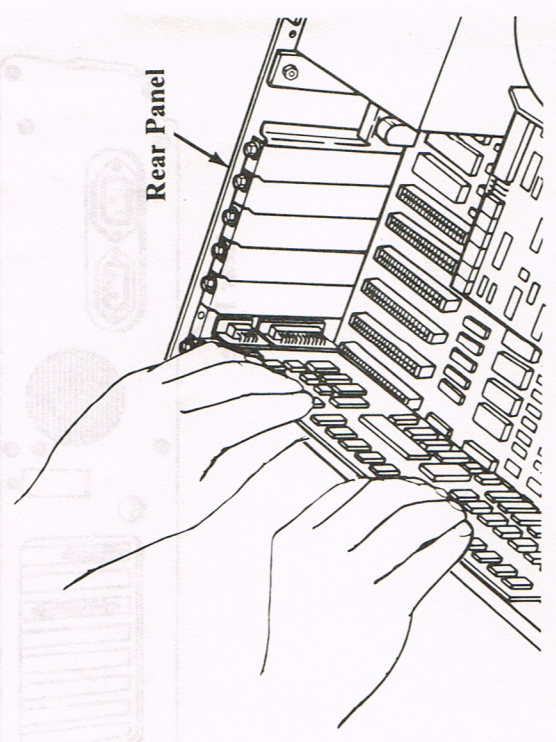




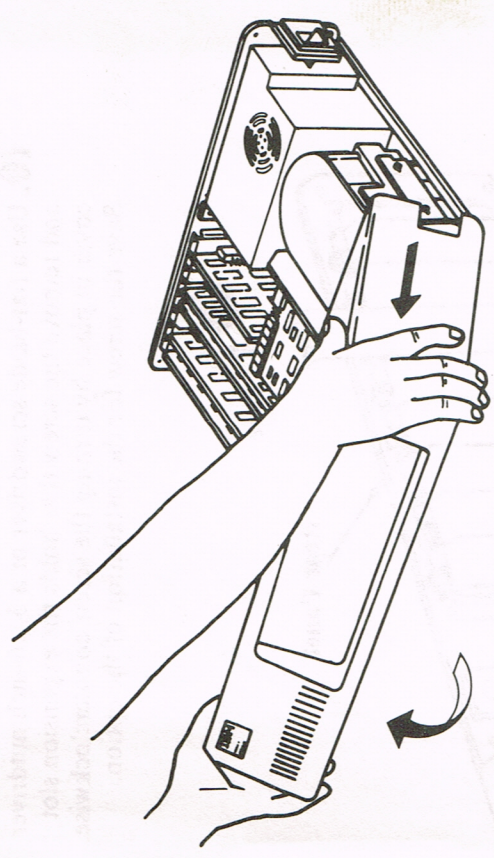
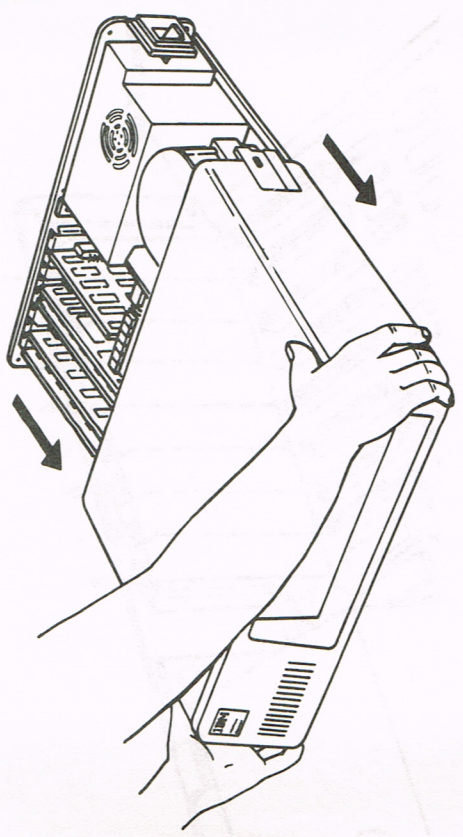
**12.** Look at figure below to familiarize yourself with the IBM Monochrome Display and Printer Adapter.



**13.** Hold the option by the top and firmly press it into any one of the unused expansion slots.

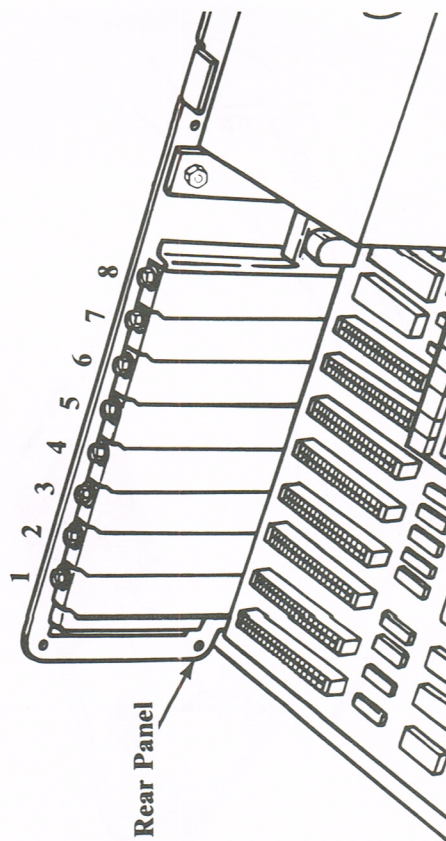


**8.** Carefully slide the unit's cover away from the rear and to the front as indicated in the figure below. When the cover will go no further, tilt it up, remove it from the base, and set it aside.

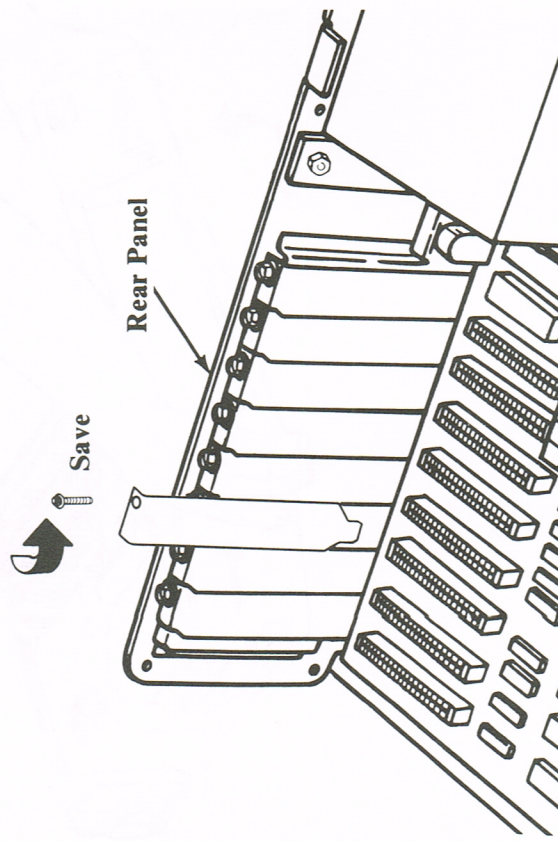




- 9.** Look at the inside left rear of your system unit. There are eight system expansion slots. You can install your option in any available slot, except 7 and 8.



- 10.** Use a flat-blade screwdriver or a 3/16-inch nutdriver and remove the screw that holds the expansion slot cover in place by turning the screw counterclockwise. Save the screw for the installation of the option.



- 11.** Press the card support bracket into the corresponding holes in the front panel of the system unit. (The card support bracket is in your option package.)

